

Title (en)
TRANSGENIC MICROBIAL POLYHYDROXYALKANOATE PRODUCERS

Title (de)
TRANSGENE POLYHYDROXYALKANOAT PRODUZIERENDE MIKROBEN

Title (fr)
AGENTS PRODUCTEURS DE POLYHYDROXYALCANOATE MICROBIENS TRANSGENIQUES

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Application
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Abstract (en)
[origin: WO0011188A1] Transgenic microbial strains are provided which contain the genes required for PHA formation integrated on the chromosome. The strains are advantageous in PHA production processes, because (1) no plasmids need to be maintained, generally obviating the required use of antibiotics or other stabilizing pressures, and (2) no plasmid loss occurs, thereby stabilizing the number of gene copies per cell throughout the fermentation process, resulting in homogeneous PHA product formation throughout the production process. Genes are integrated using standard techniques, preferably transposon mutagenesis. In a preferred embodiment wherein multiple genes are incorporated, these are incorporated as an operon.

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